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Material Safety Data Sheet

Ref. No.: SE01-004-01
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SECTION 1 PRODUCT IDENTIFICATION

Product Name : Ink, Inkjet Cartridge for Panasonic facsimile machine, model UF-E1.

Product No. : PC-20BK

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	PROPORTION (% by wt.)	OSHA PEL	ACGIH TLV	OTHER LIMITS
2-Pyrrolidone	616-45-5	<10	Not established	Not established	None
Carbon Black	1333-86-4	<5	Not established	Not established	None
Trade Secret Materials		<10	Not established	Not established	None
Water	7732-18-5	Balance	Not established	Not established	None

SECTION 3 HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

EYE EFFECTS : May be mildly irritating.

SKIN EFFECTS : May cause slight skin irritation characterized by redness and swelling after prolonged contact. Indications may be masked by color of ink.

INGESTION EFFECTS : May cause stomach upset after ingestion.

INHALATION EFFECTS : Prolonged inhalation may result in irritation to the respiratory tract.

SECTION 4 FIRST AID MEASURES

EYE CONTACT : Contact with eyes may cause mild irritation. Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes. Seek medical attention if eye irritation persistes.

SKIN CONTACT : Wash affected areas thoroughly with soap and water. Clothing should be laundered before reuse. Seek medical attention if skin irritation persistes.

INGESTION : Ingestion of ink may cause stomach upset. Seek medical attention if stomach upset persistes.

INHALATION : Remove to fresh air.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT : >61°C

AUTOIGNITION TEMP. : Not determined

EXTINGUISHING MEDIA : Water, dry chemical, carbon dioxide, foam

SPECIAL FIRE FIGHTING PROCEDURES : None

UNUSUAL FIRE AND EXPLOSION HAZARDS : No special hazards known

SECTION 6 ACCIDENTIAL RELEASE MEASURES

Spill or Leak Procedures
No special procedures are indicated. Use absorbent towels to wipe up ink. Rinse area with damp cloth to remove remaining traces of ink.

SECTION 7 HANDLING AND STORAGE

KEEP OUT OF THE REACH OF CHILDREN

HANDLING AND STORAGE PRECAUTIONS : Do not use inkjet cartridge when frozen. Ensure inkjet cartridge exterior is dry before inserting into printer.

SHELF LIFE : 1 year

STORAGE TEMPERATURE : 15°C - 35°C

SPECIAL SENSITIVITY : None

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

No special eye or skin protection is needed for cleanup of spills. Standard eye and skin protection for laboratory chemical safety is required.

SECTION 9 PHYSICAL AND CHEMICAL CHARACTERISTICS

APPEARANCE :	Black liquid
PHYSICAL STATE :	Liquid at room temperature
ODOR :	Not applicable
VAPOR PRESSURE :	Not applicable
VAPOR DENSITY (AIR = 1) :	>1
pH :	8.0 - 9.3
SOLUBILITY IN WATER :	Soluble
SOLVENT CONTENT :	<10%

SECTION 10 STABILITY AND REACTIVITY

STABILITY :	Stable under normal storage conditions
THERMAL DECOMPOSITION PRODUCTS :	Oxides of carbon/nitrogen, water
INCOMPATIBILITY :	Strong oxidizers
HAZARDOUS POLYMERIZATION :	None

SECTION 11 TOXICOLOGICAL INFORMATION

Refer to SECTION 3 (HAZARDOUS IDENTIFICATION) and SECTION 4 (FIRST AID MEASURES).

CARCINOGENICITY : Carbon Black has been classified by the IARC as Group 2B (possible human carcinogen). Neither this component nor the other ingredients have been classified as carcinogens according to ACGIH, EPA, EU, MAK and OSHA criteria. According to IARC, printing inks are not classifiable as to their carcinogenicity to humans (Group 3).

SECTION 12 ECOLOGICAL INFORMATION

No data available

SECTION 13 DISPOSAL CONSIDERATION

Dispose in accordance with all applicable federal, state and local laws.

SECTION 14 TRANSPORT INFORMATION

Not a regulated substance under DOT, IATA, ADR or RID.

SECTION 15 REGULATORY INFORMATION

According to EU Directive 88/379/EEC, this product is not classified as dangerous and therefore no hazard label is required. For other countries, including the USA, no product label would be required.

All components are on the TSCA Inventory.

Contains triethylene glycol monoethyl ether (CAS 112-50-5); isopropanol (CAS 67-63-0) and tetrahydrofuran (CAS 109-99-9) which are listed chemicals under TSCAA 12(b) Export Notification.

SECTION 16 OTHER INFORMATION

None.

Information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions.